

Environment Canada Environnement Canada

DM-219175

29/8/2017

#### MEMORANDUM TO DEPUTY MINISTER

## ENVIRONMENT AND CLIMATE CHANGE CANADA ASBESTOS BUILDING INVENTORY

(For Decision and Signature)

#### TIMELINE

Your decision is requested by **September 1st** in order to provide an email response to Catrina Tapley, Deputy Secretary to the Cabinet, Operations, regarding ECCC's intent to publish the department's asbestos building inventory between September 27 and 29, 2017.

#### **PURPOSE**

The purpose of this memorandum is to seek your decision and signature to provide an email response to Catrina Tapley, Deputy Secretary to the Cabinet, Operations.

#### SUMMARY

- The Privy Council Office (PCO) requested that all federal departments that own or lease buildings, including ECCC, publish an ABI by September 29, 2017.
- ECCC is proceeding with the survey of its 387 buildings by prioritizing occupied ones.
   By the time ECCC publishes its Asbestos Building Inventory (ABI), it is expected that 99% of people working for ECCC will be occupying surveyed buildings and that an Asbestos Management Plan (AMP) will be in place for 100% of the buildings where asbestos has been identified.
- Given the available budget and capacity of Public Services and Procurement Canada (PSPC) and industry to conduct surveys and prepare AMPs, ECCC will complete the surveys over two fiscal years by prioritizing occupied buildings.
- When PSPC released its ABI in September 2016, ECCC communicated to staff about the known presence of asbestos (see attached News@ECCC message). A follow-up message will be prepared to inform employees of the new ABI. ECCC will also use the Media Lines and Qs&As prepared by PSPC and prepare a QP Card.
- ECCC will publish its ABI between September 27 and 29, 2017. After the initial
  publication, the ABI will be updated regularly as additional buildings are surveyed and
  information becomes available.
- An email response (Attachment 1) addressed to Catrina Tapley, Deputy Secretary to the Cabinet, Operations is attached confirming ECCC's commitment to publish an ABI and to continue surveying all ECCC's properties.



Canada

www.ec.gc.ca

#### CONTEXT AND CURRENT STATUS

On September 23, 2016, PSPC published a National Asbestos Inventory that lists buildings it owns and leases, and identifies those that contain asbestos.

Further to the PSPC inventory release, PCO requested that other departments that own or lease buildings, publish their own inventories by September 30, 2017. In addition to identifying whether or not a building contains Asbestos or are being surveyed, departments have to indicate if an AMP is in place where Asbestos Containing Material (ACM) has been identified. As of June 30, 2017, the presence of asbestos was unknown for 69% of federal buildings and 9 of the 25 custodial departments had undertaken steps to have PSPC survey their buildings. This includes ECCC. See the July 2017 Progress Report (Attachment 2) presented by PSPC to PCO.

Due to a typographical error, the July 2017 Progress Report failed to identify that 334 buildings, for which ECCC was the custodian, had an unknown status. The total building count, the number of buildings containing asbestos and the number of buildings without asbestos are included in the summary table, but the cell identifying the number of "Buildings with status unknown" was accidently left blank. PSPC has confirmed that the report was provided to PCO and is for internal use only (i.e. will not be made public). PSPC is unable to correct the July 2017 report and, as such, when ECCC provides their updated information for the August 2017 report (due August 31, 2017), PSPC will notify PCO of the typographical error.

People working for ECCC are accommodated in numerous buildings across Canada and under the control of different organizations. In addition, most buildings under the custody of ECCC are not occupied (216 out of 387 buildings). The ECCC occupancy of buildings is as follow:

- 74% of people working for ECCC are located in space under the custody of PSPC and covered by the ABI published in 2016;
- 25% of the people working for ECCC are located at 14 custodial sites managed by Corporate Services and Finance Branch (CSFB) encompassing 81 buildings; and
- 1% of people working for ECCC are located at 23 custodial sites managed by Meteorological Service of Canada (MSC), Canadian Wildlife Service, and Science and Technology Branch (STB) encompassing 90 buildings.

At ECCC, work has been undertaken to have surveys or supplemental surveys completed at all CSFB managed buildings and have AMPs drafted where ACM was identified. This will allow ECCC to report that space occupied by 99% of ECCC employees, contractors, and students has been surveyed for asbestos. However, this represents only 29% of the buildings under the custody of ECCC. Additional information about space occupied by ECCC (custodial, PSPC, and leased space) and space where ACM has been identified is provided in the Annex (Attachment 3).

On July 26, 2017, PSPC provided a cost estimate for surveying the remaining buildings which represent 71% of the ECCC Real Property portfolio and 1% of the occupants. The estimate also includes the cost of preparing AMPs where required. The cost is estimated at \$1.4M. CSFB is coordinating efforts to have PSPC complete surveys at these buildings. Surveys of building and the development of AMP, where required, will be prioritized by the number of occupants in each building and will be completed by March 31, 2019.

#### **CONSIDERATIONS**

The initial inventory that ECCC will publish in late-September will report information on CSFB managed buildings and indicate that other buildings are under review. The goal is to have completed surveys for all ECCC buildings, and AMPs in place where ACM has been identified.

In 1998, MSC conducted surveys of some buildings in the western region. AMPs are in place for the buildings where ACMs were identified. These buildings will not have to be surveyed again and will be disclosed in the inventory to be published in late-September.

Based on expert advice, the presence of asbestos in buildings is generally not a concern unless ACMs are disturbed, or subject to elements that may cause deterioration (e.g. winds, steam, vibration, continued wear, etc.). Abatement (removal) work is completed when construction projects are undertaken in ECCC custodial buildings containing material with or suspected to contain asbestos. AMPs will be put in place for ongoing management of ACMs, and updated on a regular basis.

Provincial regulations require that AMPs be created for buildings where the presence of asbestos has been confirmed. Likewise, general provisions within the Canada Labour Code, Part II require employers to ensure safe working conditions for their employees. ECCC will therefore ensure that all buildings where the presence of asbestos has been confirmed have an AMP in place.

PCO requested that custodial departments publish their ABI between September 27 and September 29, 2017. Despite the ongoing migration of the department's web content to Canada.ca, Communications Directorate has found a solution that will enable the department to publish its inventory in an accessible format by the deadline.

PSPC prepared media lines (Attachment 5) and Qs&As (Attachment 6) that can be tailored and used by custodial departments when they publish their ABI. ECCC will also prepare a QP Card and a follow-up message on News@ECCC informing employees that an ABI is now available for ECCC custodial buildings (Attachment 4).

#### NEXT STEPS

- CSFB will complete the surveys or supplemental surveys of the buildings under its management and develop AMPs where applicable by mid-September.
- CSFB will work with Communications to publish the ABI on ECCC's website and develop Communication products addressing questions arising from the release of the ABI, including a follow-up message to employees.
- CSFB will continue coordinating survey work for buildings under the management of MSC, CWS, and STB and update the ABI as information becomes available.

Carol Najm, ADM

Corporate Services and Finance Branch and

Chief Financial Officer

25108117

I concur

\_\_\_ I do not concur

Stephen Lucas
Deputy Minister
c.c. Martine Dubuc

Martine Dubuc Associate Deputy Minister cc. Stephen Lucas

c.c.: Associate Deputy Minister

Attachments (6):

- (1) Email Reply.docx
- (2) Asbestos Custodian Inventory Progress Update July 2017.pdf
- (3) List of Custodial Buildings and Status.pdf
- (4) News@ECCC Message UPDATE: Asbestos in federal buildings.pdf
- (5) ML National Asbestos Inventory PCO FINAL V2 EN clean.pdf
- (6) QAs National Asbestos Inventory OGD PCO FINAL V2 EN clean.pdf

#### ANNEX - STATUS OF ASBESTOS IN ECCC OCCUPIED BUILDINGS

#### A. Status of Asbestos in ECCC Custodial Buildings

#### 1. Buildings under the direct management of CSFB

Asbestos was identified at 8 sites under the direct management of CSFB:

- National Hydrology Research Centre (Saskatoon, SK)
- Prairie and Northern Wildlife Research Centre (Saskatoon, SK)
- Canada Centre for Inland Waters (Burlington, ON)
- 335 River Road Complex (Ottawa, ON)
- Pacific Wildlife Research Centre (Delta, BC)
- Pacific Environmental Science Center (North Vancouver, BC)
- Whitehorse Complex (Whitehorse, YK)
- Qualicum National Wildlife (Qualicum, BC)

At these sites, asbestos was reported or suspected in equipment designed to protect employees from fumes and particles, such as the interior walls of older fume hoods. It is also found in restricted areas, such as: mechanical rooms, duct joint compound, exterior window putty, exterior roofing systems, and subfloor tiles.

All 14 custodial sites under the management of CSFB are being surveyed or resurveyed to ensure a thorough assessment of each site. They include a total number of 81 buildings.

#### Abatement Work

On October 20, 2016, a CSFB certified official conducted asbestos abatement work and certified that the Whitehorse Complex was now asbestos-free. On March 10, 2017, a CSFB certified official conducted asbestos abatement work and certified that the Qualicum National Wildlife is now asbestos-free.

#### Asbestos Management Plans

Currently, four of the six buildings known to contain asbestos have an Asbestos Management Plan in place.

#### 2. Buildings under the direct management of MSC, CWS, and STB

CSFB is coordinating the inspection by PSPC of the buildings under the direct management of other branches to ensure that an inventory can be prepared as soon as possible. Where required, CSFB will mandate PSPC to develop Asbestos Management Plans for those buildings. These represent 260 sites with one or more buildings, for a total number of 306 buildings.

In 1998, MSC conducted surveys of some buildings in the western region. They identified six buildings with ACM. Currently, the six facilities known to contain asbestos have Asbestos Management Plans in place.

#### B. Status of Asbestos in non-ECCC Custodial Spaces

The following PSPC owned or leased buildings, which ECCC occupies, have been identified as containing asbestos:

Facility	City	Prov	Address
Northern Forestry Centre	Edmonton	AB	5320 122 St NW
Harry Hays Building	Calgary	AB	220 4 Ave SE
GC Building	Prince George	BC	3690 Massey Dr
Via Rail Station	Winnipeg	MB	123 Main St
Airport Place	Winnipeg	MB	1821 Wellington Ave
Gander International Airport	Gander	NL	320 Elizabeth Dr
GC Building	Burgeo	NL	1 Main Rd
GC Building	Mount Pearl	NL	6 Bruce St
Fortis Towers	Corner Brook	NL	4 Herald Ave
GC Building - Warehouse 4	Inuvik	NT	72B Franklin Rd
Queen Street Building	Sault Ste. Marie	ON	1219 Queen St.
GC Building	Windsor	ON	441 University Ave
La Salle Academy	Ottawa	ON	373 Sussex Dr
Downsview	Toronto	ON	4905 Dufferin St
Dominique Ducharme Building	Montréal	QC	105 McGill St
Place Bonaventure	Montréal	QC	800 De la Gauchetière St W

This list might not be complete as Landlords are not required to disclose this information to PSPC.

For space leased directly by ECCC from third parties, CSFB will contact them and ask them to identify if asbestos is present and if Asbestos Management Plans are in place. As for PSPC, landlords are not required to disclose this information to ECCC.

#### C. Current Status

Overall, the status as of August 9, 2017 can be summarized as follow:

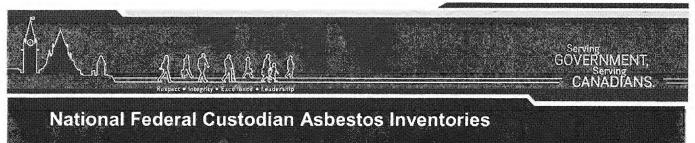
		Total Building Count	Building with Status Unknown	Building Surveyed and Under Review	Building Without Asbestos	Building with Asbestos	Building with Asbestos that have an Asbestos Management Plan
	Number of Buildings	387	275	112	42	12	10
Custodial	% of Buildings	100%	71%	29%	11%	3%	83%
Custoulai	Number of occupants	1908	47	1861	39	1267	141
	% of occupants	100%	2%	98%	2%	66%	11%
	Number of Buildings	74	0	74	59	15	15
Non-	% of Buildings	100%	Ø%	100%	80%	20%	<i>10</i> 0%
Custodial	Number of occupants	5563	Ō.	5563	3944	1619	1619
	% of occupants	100%	0%	100%	71%	29%	100%
	Number of Buildings	461	275	186	100	27	25
Custodial and non-	% of Buildings	100%	60%	40%	22%	6%	92%
custodial	Number of occupants	7471	47	7424	3983	2886	1760
	% of occupants	100%	1%	99%	<i>53</i> %	39%	61%

The complete list of custodial buildings with the status can be found in Attachment 3.

## Annex 2



Public Services and Procurement Canada Services publics et Approvisionnement Canada Canadä



## **Progress Update**

**July 2017** 

www.pspc-spac.gc.ca

#### Background

On April 19, 2017, Public Services and Procurement Canada sent the *Custodian Asbestos Inventories Progress Report, April 2017* jointly to the Privy Council Office and the Treasury Board Secretariat. That report provided a comprehensive overview of the work that PSPC has undertaken to support the initiative to have 26 federal custodian departments publish their respective asbestos-related building inventories, as directed by the Clerk of the Privy Council.

This update provides information on progress since April 2017.

#### Data Received to June 2017

#### Overview: Metrics of National Federal Custodian Asbestos Program, June 2017

Number of custodians	Count March 2017	Count June 2017	Count Change Between March and June 2017	% March 2017	% June 2017	% Change Between March and June 2017	Comments
Total Number of Departments/Agencies (inc.			Not			Not	
SPC)	25	25	applicable Not	100	100	applicable Not	
Department/Agencies who have responded	25	25	applicable	100	100		100% reported
otal building count	Count	Count					
lumber of Buildings Reported (Excluding desidences)	25,560	24,824	-736	Not applicable	Not applicable	Not applicable	Residences removed The Asbestos Inventory is 2.5%
Number of Buildings in DFRP (Excluding Residences)	24,523	24,523	Not applicable	Not applicable	Not applicable	Not applicable	bigger than the TBS Directory (DFRP)
lumber of buildings with asbestos (excluding esidences)				Of March total of 25, 560	Of June total of 24, 824	% Change Between March and June 2017	
uildings with known presence of asbestos	1,018	2,502	1,484	4%	10%	6%	Reported to date
Buildings without asbestos UNKNOWN status of building for presence of	1,452	5,186	3,734	6%	21%	15%	Reported to date
sbestos	23,090	17,131	-5,959	90%	69%	-21%	Reported to date
Number of buildings with an Asbestos Managements Plan (AMP) for buildings with known presence of asbestos (excluding residences)				Of March buildings with known asbestos of 1,018	Of June buildings with known asbestos of 2,502	% Change Between March and June 2017	
Buildings with known asbestos WITH an AMP	787	1,493	706	77%	60%	-17%	Reported to date
Buildings with known asbestos WITHOUT an AMP	231	1,009	778	23%	40%	18%	HIGH PRIORITY

#### Notes:

- Since April 2017, the total number of buildings reported by custodians has decreased overall from 25,560 to 24,824. This is because additional analysis has led to custodians adding or removing buildings to arrive at an increasingly accurate picture of their respective portfolios.
- Overall understanding of the state of asbestos in the federal portfolio has improved since March 2017. The number of buildings for which it is unknown whether there is asbestos in the building or not has dropped by 21%, with a corresponding rise in the number of buildings known to be with or without asbestos.
- The unknown status for presence of asbestos in buildings is currently at 69%
- At the current rate of data being provided by the federal custodian departments, when the inventories are posted in September 2017, it is projected that the federal government might still be unable to report on 50% of the federal portfolio as it relates to status of asbestos.
- We currently know that 2,502 buildings in the federal portfolio contain asbestos, but only 60% of these have an asbestos management plan (AMP) in place.
- Since the greatest increase between March and June 2017 was in the number of buildings without an AMP, much work needs to be done by each federal custodian on the long-term management of asbestos in their federal buildings.

#### National Federal Custodian Engagement:

Department or Agency	Joining DG Interdepartmental Working Group?	Purchasing PSPC services?	internal ressources dedicated to Asbestos Management	Building count, # (inclu crown-owned and leas excluding residences)	
1. Agriculture and Agri-Food Canada	Yes	Yes		1	1,605
2 Correctional Service of Canada	Yes	Yes		1	1,836
3 Environment and Climate Change Canada	Yes	Yes		1	375
4 Fisheries and Oceans Canada	Yes	Yes		1	2,00
5 Global Affairs Canada*	Yes	No		1	~
6 Health Canada	Yes	Yes		1	10
7 Indigenous and Northern Affairs Canada	Yes	No		1 %	100
8 Innovation, Science and Economic Development Canada	Yes	No		1	50
9 Library and Archives of Canada	Yes	Unsure		1	
O National Defence	Yes	Unsure		1	10,43
1 Natural Resources Canada	Yes	No		1	19
2 Royal Canadian Mounted Police	Yes	Yes		1	1,62
3 Transport Canada	Yes	Yes		2	75
4 Veterans Affairs Canada	Yes	Yes		1	1
5 Communications Security Establishment	No	No	No		
6 Canada Border Services Agency	Yes	Yes		1	26
7 Canadian Food Inspection Agency	Yes	Yes		1	13
8 Canadian Heritage	Yes	No		0	
1 Canadian Conservation Institute	Same as above	Same as above	Same as above		•
9 Public Safety Canada (Special)**	Yes	No		1	
O Canadian Space Agency	No	No	None		
1 National Battlefields Commission	Yes	No		1	2
2 National Research Council	Yes	No		1	22
3 Parks Canada Agency	No	Unsure		2	2,96
4 Public Health Agency of Canada	Yes	No		0	
25 Infrastructure Canada	N/A	N/A	N/A		N,
26 Public Services and Procurement Canada	Yes	No	**		2,18

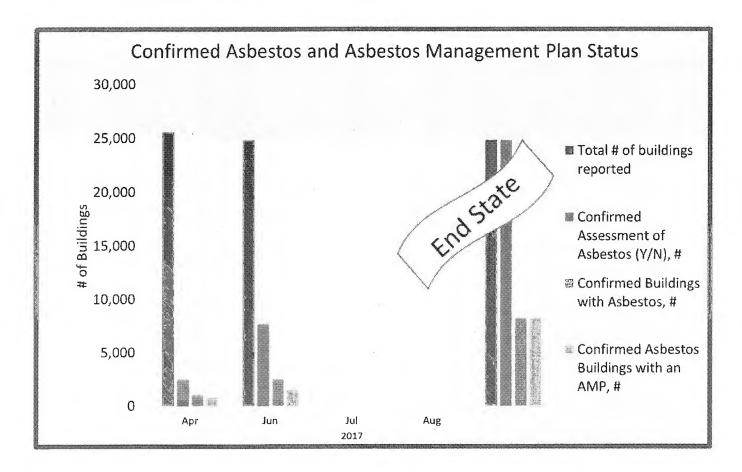
<sup>\*</sup>All their buildings are outside Canada

#### Notes:

- While this table does not provide comparative data between March 2017 and June 2017,
  - o 9 custodians want to buy PSPC services which represents 38% of custodial departments
  - 4 custodians are unsure at this point if they will need PSPC asbestos related services, which represent 17%.
  - The 11 remaining custodians have so far shown no interest for PSPC's services, a total of 45%.
  - Comparatively, the total of custodians not interested in acquiring PSPC services in April, 2017 was 14 custodians which represented 54% of all custodians at that time.
- Global Affairs Canada has its portfolio of buildings outside Canada previously, they had not
  anticipated that they would be able to contribute to this first phase of the inventory process, but have
  since been able to provide partial numbers. These are still to be excluded from the first inventory
  posting
- Management of Parks Canada Agency (PCA) has not authorized the sharing of their preliminary inventory with PSPC but only the total count of buildings.

<sup>\*\*</sup>Former Canadian Security Intelligence Service

#### Presence of Asbestos in the National Federal Portfolio:



#### Notes:

- This table indicates an overall positive trend that is moving toward the ultimate goal of knowing whether every building has asbestos or not
- Ultimately when the initiative is completed, the blue line of the total number of buildings reported should match the orange line of number of buildings with a confirmed assessment of asbestos
- Currently the progress of the above tracking is at 31 % of completion
- Also when the initiative is complete, *knowing that every building that contains asbestos has an Asbestos Management Plan* will be achieved when the grey line matches the yellow line
- It is not expected that, by September 2017, all the information on asbestos presence and asbestos
  management plans will be completed. However, the inventories will be made public by the custodians
  with the information collected (Yes, No, Unknown)

#### Progress by Federal Custodian Organization, June 2017

# Department	or Agency	Total building count, # (excluding residences)	Buildings with asbestos, #	Buildings without asbestos, #	Buildings with status unknown	Buildings with Asbestos that have an Asbestos Management Plan, #	Buildings with Asbestos without an Asbestos Management Plan, #
1 Agriculture and Agri	-Food Canada	1,605	0*	0*	0*	0*	<b>0*</b> /#@0.55
2 Correctional Service	of Canada	1,836	0*	0*	0*	0*	0*
Environment and Cli	mat Change						
3 Canada		375	24	17		2	22
4 Fisheries and Ocean	s Canada	2,001	437	441	1,123	71	366
5 Global Affairs Canad	a**	0	0	0	0	0	0 1 1/1/25
6 Health Canada		10	10	0	0	8	2
Indigenous and Nort	hern Affairs						
7 Canad Innovation, Science	and Economic	100	29	71	0	0	29
8 Development Canad	la	56	0*	0*	0*	0*	0*
9 Library and Archives	of Canada	7	1	4	2	1	0
10 National Defence		10,437	826	3,014	6,597	496	330
11 Natural Resources C	anada	199	135	25	39	135	0
12 Royal Canadian Mou	inted Police	1,622	0*	0*	0*	0*	0*
13 Transports Canada		759	38	0*	0*	26	12
14 Veterans Affairs Car	nada	10	0	8	2	0	0
Communications Se	curity						
15 Establishment		1	0	1	0	Ö	0
16 Canada Border Servi	ces Agency	265	48	55	162	3	45
17 Canadian Food Inspe	ection Agency	137	49	88	0	0	49
18 Canadian Heritage		1	1	0	0	0	1
19 Public Safety Canad	a (Special)	9	0	9	0	0	0
20 Canadian Space Age	псу	2	0	0	0	0	0
21 National Battlefield	s Commission	21	9	0*	0*	9	0
22 National Research C	ouncil	220	0*	0*	0*	0*	0*
23 Parks Canada Agenc	У	2,962	179	0*	0*	42	137
24 Public Health Agenc	y of Canada	3	0	0	0	Ō	0
Public Services and	Procurement						
25 Canada		2,186	716	1,453	0	700	16
Total		24,824	2,502	5,186	7,925	1,493	1,009

<sup>\*</sup>Information presently not available to PSPC

#### Note:

This table was not provided in the April 2017 report, but is now included to provide visibility into the progress of individual custodians towards meeting their deadline. Future reports will include percentages of change for the information provided, but we have tracked this information until the current period of June 2017.

<sup>\*\*</sup>all their buildings are outside Canada

#### Other Information

#### Pan-Canadian Databases

PSPC has engaged its Federal Provincial Territorial network of Public Works Deputies to introduce
the possibility of other levels of governments developing inventories to mirror the federal ones. Initial
reaction has been mixed, so PSPC will continue to champion this idea as opportunity presents itself.

#### **Sub-Working Groups**

- A sub-working group has met once to discuss small building, which includes things like small weather stations, seismic stations, geomagnetic observatories, antennas, but not the federal fleets of aircraft, watercraft or vehicles. The second teleconference will be held on July 27, 2017.
- The teleconferences for the upcoming two other sub-working groups (on residences and on properties outside Canada) will be organized in July 26, 2017.

#### Communications

 Each custodian will be responsible for communications related to their own inventories. PSPC is currently in discussion with TBS and PCO regarding broader extra-departmental messaging about the inventories and the federal asbestos ban.

#### **Publication of Inventories**

Each custodian department is responsible to post their own respective inventories of buildings
containing asbestos. PSPC is sharing all lessons learned and process on how their posting was
done. There is a DG committee steering meeting scheduled for July 19, 2017 where this will be
further discussed with all federal custodian participating at the meeting.

#### **Next Steps**

- By way of making sure there is high-level support for this initiative in all custodian organizations, it is understood that a communique will be sent by PCO to all Deputy Ministers reminding them of the approaching deadline.
- For the first posting date in September 2017, it is anticipated that all custodians will post their respective inventories within 48 hours of each other. It will be 25 inventories listing all buildings with information gathered to date, and where information is outstanding, a note will be made that additional information will follow, e.g. "work in progress".
- A summary report on this initiative will be provided by PSPC in December 2017.

## Annex 3

ATTACHMENT - Custodial Buildings and Status

1 . .

CSF8 managed properties

Site	Number of Occupants	Building	Constructi on Year	Municipality	Province	Asbestos Survey	Survey Result (Asbestos Present)	AMP ( Asbest presen
Non-ECCC ustodial Leased Sites	5563	VARIOUS - REPORTED BY OTHER DEPARTMENTS	Various	Various	Various	N/A	N/A	
	1.3	Administrative and Laboratory Building		Burlington	Ontario	yes	yes	10
	Sec. 25.	Hydraulics Offices and Labratory Building		Burkington	Ontario	Under Review		
	- C -	Heating and Power Plant		Surlington	Ontario	Under Review	24 17 12	
	40.00	Research and Development. Workshop/Warehouse		Burlington Burlington	Ontario Ontario	Under Review	A S. S.	120.00
CCIW	682	Wastewater Technology Centre		Surlington	Ontario	Under Review		7.7
782.4	7-1163-	North Annex & WTC Storage Building		Surfington	Ontario	Under Review		-
	1 4.12	Portable #4		Burlington	Ontario	Linder Review	and the last of	22, 115
		Portsbie #1		Burlington.	Ontario	Linder Review	18	
L. L. Garage		Portable #2	1970	Burlington	Ontario	Under Review	.1	
Dorval	345	CMC	1971	Dorval	Quebec	Under Review	78	1271
	- 1	Thornton Centre - Building 1		Ottawa	Ontario	Under Review	yes	
5 3 Y W		Generator Building - Building S		Ottaws	Ontario	Under Review	er er er er	4 (1)
7 1 1		East Wing (Shipping & Receiving) - Building 4 Thornton Centre (Addition 1993)		Ottawa Ottawa	Ontario Ontario	Under Review Under Review		
River Road	237	Thornton Centre (Addition 1995)		Ottawa	Ontario	Under Review		
		Thornton Centre (Addition 1989)	1989		Ontario	Under Review	45	
	- 3	North Wing - Building 3		Ottawa	Ontarlo	Under Review	1.27	
1 191 10 10		Transformer Vault - Building 6	1994	Ottaws	Ontario	Under Review	ler in-	
		South Wing - Building 7	2002		Ontario	Under Review	11 (2) (7) (-)	
HHRC	161	National Hydrology Research Institute (NHRI)		Saskatoon	Saskatchewan	Under Review	yes	yes
NWRC*	136	National Wildlife Research Center		Ottawa	Ontario	N/A		
PESC	68	Pacific Environmental Science Centre		North Vancouver	British Columbia	Yes	Yes	Yes
	WEST K.	Lodge		Delta	British Columbia British Columbia	Yes Yes	Yes No	Yes
PWRC	64	Barn #1 Barn #2		Delta Delta	British Columbia	Yes	No No	13 33
S. Joseph		Office and lab addition		Delta	British Columbia	Yes	No	4
The same		Annex		Delta	British Columbia	Yes	No	100
	15 000	PNWRC		Saskatoon	Saskatchewan	Under Review	yes	Yes
11,000	1	WEB Storage Building	2003	Saskatoon	Saskatchewan	Under Raview	AND AND I	
PNWRC	46	Storage Building		Saskatoon	Saskatchewan	Under Review	STATE (NO. 12)	4 4 5 4 6
	1. 1.	Workshop/Storage/Garage		Saskatoon	Saskatchevan	Under Review		the second
State Plane		Storage Shed		Saskatoon	Seskatchewan	Under Review	No (abatted)	2.1.20
Vhitehorse	39	Yukon Weather Centre	1995 1985	Marsh Lake Whitehorse	Yukon Yukon	Yes.	No (abatted)	
100 mm 200 mm	1	Combined Services Bidg. (Office/Storage) main building with radar tower	1984		Ontario	Under Review	AD (SOUTHER)	1 1 1
King City	14	AuriBary Power Building for Diesel Generator	1984		Ontario	Under Review		
2 - 60 1 5	1 1 2 1	Office Building		XIng 1	Ontario	Under Review		17010 -10
Kelowna*	14	Mountain Weather Svcs Office		North Okanagan E	British Columbia	N/A		
-17.00 (45.00)	34, 1, 3	Lasher House	1920	Last Mountain Valley N	Saskatchewan	Under Review		1777
18		Lasher Barn		Last Mountain Valley N		Under Review		19971
100	day of	Office		tast Mountain Valley N		Under Review		47.7%
1.0	1405 EX 186	Workshop Staff Trailir Listher	1970	Last Mountain Valley N Last Mountain Valley N		Under Review Under Review	retail mercule territa.	lindicate at
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3.2	Manager's House		Last Mountain Valley N		Under Review		1000
	N. ar	Viewlog Tower		Last Mountain Valley N		Under Review	723	
		Foel Storage		Last Mountain Valley N		Under Review	Wath the "B	4
LML	12	EQUIPMENT STORAGE		Last Mountain Valley N		Under Review		ر اختیالت
	- 8	Cluid Shed		Last Mountain Valley N		Under Review	8	4
		Seed Cleaning		Last Mountain Valley N		Under Review	District Asia	1007
		Pole shed #1		Last Mountain Valley N Last Mountain Valley N		Under Review Under Review	2.9	107 - 12
4 6 1 6	7 1 172	Pole shed #2 Tollet Facilities	1966	Last Mountain Valley N		Under Review	100	
- 10" - 111" - 11		New Sowage System	1960			Under Review	7177777	PH 0 1 1 1
	Land A	New Office Trailer	1982			Under Review	grade Ch. C	die tur
11	V	Information Klosque		Last Mountain Valley N		Under Review	diameter.	
41.		Pale Shed #3		Last Mountain Valley N		Under Review		1.28
	1. 194	upper site ( main lab )		Essa	Ontario	Under Review		
		sampling bldg- 6m x 12m	1982		Ontario	Under Review	2 6 4 5 4	W .5.4
CARE	10	Lower site	2003 1990	***************************************	Ontario	Under Review		1 1 1 1 1 1 1
MINE	10	Additions  Washroom Addition	1990 1992	Essa Essa	Ontario Ontario	Under Review	W. St., Carrier St.	i water
		Gerage		Essa	Ontario	Under Review	A 11000	
200		Clean Air Building		Essa	Ontario	Under Review	7 m 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	- 1010
	1	Food warehouse			Nunavut	Yes	N. V. W.	No. 1
	1000	Washroom area (of old operations complex)				Yes`		a die je
7 70	5 Y.	Operations area (of old operations complex)		Saffin, Unorganized	Nunavut	Yes	The Control	21
1.16	100	Staff barracks ( of old operations complex)		Battin, Unorganized	Nunavut	Yes	A 100	
1. 4.		Transient Barracks Old water storage AKA Plumbing		Baffin, Unorganized Baffin, Unorganized	Nunavut Nunavut	Yes Yes	1 222 (100)	
Eureka	. 8	Building 16 Bunkhouse		Baffin, Unorganized	Nunavut	Yes	A service lives a	
( 10	- E	Carpenter Shop		Baffin, Unorganized	Nunavut	Yes	- 21	
11 11		Upper air Building		Batfin, Unorganized	Nunavut	Yes	1 2 2 2	
- 4	119.17	Phydrogen building		Saffin, Unorganized	Nunavut	Yes	100	
		Power House / Water Storage		Baffin, Unorganized	Hunavut	Yes	1 12	11 1 100
	113	New Maintenance Garage		Baffin, Unorganized	Nunavut	Yes	55	11. 70
0.40		Research Lab		Baffin, Unorganized	Nunavet	Yes		
iosphère	7	Blosphere		Saint-Lambert	Quebec	Under Roview	** ** ** ** ** **	
OS Shelter	6	AWOS Shelter		Kitikmeat, Unorganizer Saint-Joachim	Quebec			
		Interpretation Center Barn		Saint-Joachim	Quebec	<b> </b>		
		Workshop		Saint-Joachim	Quebec			
		Grain Shed		Saint-Joachim	Quebec	l		
		Lavoir-Forge		Saint-Joachim	Quebec			
		French House		Saint-Ioachim	Quebec			
		Fuel Storage		Saint-Joachim	Quebec			
		Fire Shed	1930	Szint-Joachim	Quebec			
		Marsolet Cottage		Saint-Joachim	Quebec			
-Tourmente	5	Annexe au Chaiet Marsolet		Saint-Joachim	Quebec	ļ	ļ	
	-	Friponne Cottage	1970	Saint-Joachim	Quebec	L	L	
		Storage shed for wastewater treatment materials		Saint-Joachim	Quebec		1	

					-			
1		Observation Tower			Quebec Quebec			
1		Kiosk Sugar Shack			Quebec			<b></b>
		Maison de la Petite Ferme			Quebec			
1		Snowmobile Shed			Quebec			
		Sewage System			Quebec			
		Roads, Access and Interpretation Center			Quebec		,	ļ
		Workshop			Northwest Territories			
Caracarinh	5	Warehouse			Northwest Territories			
Fort Smith	,	Instrument Workshop Hydrogen Building			Northwest Territories Northwest Territories			
		Operations Building			Northwest Territories			<del> </del>
		Operations Building			Alberta			
Stony Plain	5	Hydrogen Building			Alberta			
1		Training Trailer	1998		Alberta			
T		Hydrogen Suilding			edojineM	Yes	Yes	Yes
The Pas	5	Operations Building		The Pas	Manitoba	Yes	Yes	Yes
		AWOS Shelter			Manitoba	Yes	Yes	Yes Yes
Churchill	4	AWGS Shelter			Manitoba Manitoba	Yes Yes	Yes	Yes
Criarcisii	•	Hydrogen Building Operations Building			Manitoba	Yes	Yes	Yes
		AWOS Shelter			Northwest Territories			
tnuvik	4	Hydrogen Building			Northwest Territories			
		Operations Building		Inuvik	Northwest Territories			
		Office	2016	Norfalk County	Ontario			
į		Gravelly Bay Warden Cabin		Norfolk County	Ontario			ļ
1		Gravelly Bay Shed/workshop		Norfolk County	Ontario			
		Squires Ridge Cabin		Norfolk County	Ontario			
Big Creek	3	Squires Ridge Storage		Norfolk County	Ontario			
		Boat House		Marfalk County	Ontario		ļ	<del> </del>
		Citd Boat House		Norfolk County	Ontario			<del> </del>
1		Garage / Workshop		Narfalk County	Ontario Ontario	<b></b>		<del> </del>
		Old Workshop Hazardous Materials Storage Building		Narfolk County Narfolk County	Ontario			<del> </del>
+		Operations Building		Resolute	Nunavut	ves		
		Hydrogen Building		Resolute	Nunavut	ves		t
Resolute	3	Building 13 (Resolute Airport)		Resolute	Runavut	yes		<b>T</b>
1		Building #2		Resolute	Nunavut	yes		
Igaluit AWOS	3	AWOS Shelter		Igaluit	Nunavut	yes		1
		AWOS Shelter		Baffin, Unorganized	Nunavut			
		Baseline Lab		Battin, Unorganized	Nunavut			
Alert	2	Baseline Lab - Addition	1993	Baffin, Unorganized	Nunavut			
		Transmitter Bidg		Baffin, Unorganized	Nunavut	<u> </u>		1
		Special Studies Lab		Baffin, Unorganized	Nunanut	<u> </u>		ļ
	_	Employee Housing		Keewatin, Unorganized		yes		<del> </del>
Baker Lake	2	Warehouse/Office		Keewatin, Unorganized		yes		ļ
		Cold Storage Warehouse		Keewatin, Unorganized		yes		<del> </del>
Coral Harbour	2	Inflation Shed WSC Office		Coral Harbour Region 4, Unorganized	Nunavut		<b></b>	<b></b>
Fort Simpson	2			Region 4. Unorganized			<del> </del>	<del> </del>
<del>-</del>		Garago Hydrogen Building			Newfoundland and Labrador		<del> </del>	<del> </del>
Goose Bay	2	Operations Building			Newfoundland and Labrador			1
		Operations Suilding		Norman Wells	Northwest Territories			
Norman Wells	2	Hydrogen Building		1 Norman Wells	Northwest Territories	-		
		Main lodge	1940	Chatham-Kent	Ontario			
		staff house		Chatham-Kent	Ontario		<u> </u>	
St. Clair	2	Strol cabin		D Chatham-Kent	Ontario	İ		<b></b>
	1	New office / Workshop		5 Chatham-Kent	Ontario	<u> </u>	L	<u> </u>
		GREGO		5 Chatham-Kent	Ontario	ļ		<del> </del>
	ļ	Old Werkshop		Chatham-Kens	Ontario	<b>ļ</b>		<del> </del>
Charles and Un	2	Operations Building		9 Stephenville	Newfoundland and Labrador	<del> </del>		+
Stephenville	ı '	Hydrogen Building		Stephenville	Newfoundland and Labrador	<del> </del>	<del></del>	<del> </del>
		Storage building		1 Stephenville 7 Bain-James	Newfoundland and tabrador Quebec	<del> </del>		<del> </del>
		Theodolite Garage			Identific	<del> </del>		1
	]				Churher		1	1
	1			6 Baie-James	Quebec			ļ
Baie-James i		Nydrogen Building	1986	6 Baie-James	Quebec	<u> </u>		
Baie-James	1	Generator Building	1986 1986	6 Baie-James 6 Baie-James	Quebec Quebec			
Baie-James	-	Generator Building Operations Building	1986 1986 1986	6 Bale-James 6 Bale-James 6 Bale-James	Quebec			
Baie-James	_	Generator Building Operations Building Residential # 1 Residential # 2	1986 1986 1986 1991	6 Baie-James 6 Baie-James	Quebec Quebec Quebec			
Baie-James Chapais	1	Generator Building Operations Building Residential # 1 Residential # 2 BUT Building	1986 1986 1986 1993 1986 1992	6 Baie-James 6 Baie-James 6 Baie-James 3 Baie-James 6 Baie-James 2 Baie-James	Quebec Quebec Quebec Quebec Quebec Quebec Quebec			
		Generator Building Operations Boilding Residential # 1 Residential # 1 Residential # 2 BUT Building Exciter Resides Building	1986 1986 1986 1993 1986 1997	6 Baie-James 6 Baie-James 6 Baie-James 3 Baie-James 6 Baie-James 2 Baie-James 2 Baie-James 7 South Huron	Quebec Quebec Quebec Quebec Quebec Quebec Quebec Quebec	Under Review		- 8 7
Chapais .Exeter	1	Generator Building Operations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Exter Reside Building Interpretation Kissk	1985 1986 1986 1986 1993 1986 1997	6 Baie-James 6 Baie-James 6 Baie-James 3 Baie-James 8 Baie-James 2 Baie-James 7 South Huron 6 Oundee	Quebec	Under Keview		- 8
Chapais Exeter	1	Generator Building Operations Building Residential # 1 Residential # 2 BUT Building Exeter Badar Building Exeter Badar Building Interpretation Klosk Tent	1985 1986 1986 1986 1986 1997 1997	6 Bale-James 6 Bale-James 6 Bale-James 3 Baie-James 6 Bale-James 2 Bale-James 7 South Huron 6 Dundee 6 Dundee	Quebec	Under Review		- 2
Chapais	1 1	Generator Building Operations Building Residential # 1 Residential # 2 BUT Building Excete Redate Building Interpretation Klosk Tent Observation Tower	1986 1986 1986 1992 1986 1992 1977 1966 1996	6 Baie-James 6 Baie-James 6 Baie-James 3 Baie-James 6 Baie-James 2 Baie-James 7 South Huron 6 Dundee 6 Dundee	Quebec Quebec Quebec Quebec Quebec Quebec Quebec Quebec Quebec Qutario. Quebec Quebec Quebec	Under Review		
Chapais Exeter	1	Generator Building Operations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Interpretation Klosk Tent Observation Tower UAS	1985 1986 1986 1997 1986 1997 1977 1966 1996	6 Baie-James 6 Baie-James 6 Baie-James 3 Baie-James 6 Baie-James 9 Baie-James 7 South Nuron 6 Dundee 6 Dundee 4 Dundee 3 Moozonee	Chiebec	Under Review		
Chapais .Exeter	1 1 1 1 1	Generator Building Operations Building Residential # 1 Residential # 2 BUT Building Exeter Redar Building Exeter Redar Building Interpretation Klosik Tent Observation Tower UAS Hydrogen Building	1985 1986 1996 1997 1936 1997 1966 1996 1996	6 Bale-James 6 Baie-James 6 Baie-James 3 Baie-James 3 Baie-James 9 Baie-James 2 Baie-James 7 South Nuron 6 Dundee 4 Dundee 4 Dundee 8 Kuujuaq	Quebec	Under Kevlew		
Chapais Exeter	1 1 1 1 1	Generator Building Operations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Excete Redate Building Interpretation Klosk Test USS Ussel Redate Building Interpretation Flower USS Ussel Redate Building Islance (Redeter Residence)	1986 1996 1996 1997 1986 1992 1996 1996 1996 1998	6 Bale-James 6 Bale-James 6 Bale-James 3 Baie-James 6 Bale-James 9 Bale-James 7 South Huron 6 Dundee 4 Dundee 4 Dundee 3 Moosonee 8 Kuujjusq 2 Akhabasca County	Quebec	Under Keview		
Chapais .Exeter	1 1 1 1 1 0	Generator Building Operations Building Residential # 1 Residential # 2 BUT Building Exiter Radar Building Exiter Radar Building Interpretation Klosk Trent Observation Tower UAS Hydrogen Building Islause (Meteor Residence)	1985 1996 1997 1992 1992 1997 1996 1996 1999 1998 1996 1996 1996	6 Bale-James 6 Bale-James 6 Bale-James 3 Baie-James 3 Baie-James 2 Baie-James 2 Baie-James 7 South Nuron 6 Dundee 6 Dundee 4 Dundee 8 Kuujjuaq 2 Athabasca County 3 Athabasca County	Guebec Alberta Alberta	Under Kevlew		
Chapais Exeter	1 1 1 1 1 0 0	Generator Building Operations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Exeter Redar Building Interpretation Klosk Tent Observation Tower UAS Hydrogen Building House (Meteor Residence) House (Meteor Residence) House (Caretaker Residence)	1986 1988 1988 1993 1998 1996 1996 1999 1998 1986 1986 1985	6 Bale-James 6 Bale-James 6 Bale-James 3 Bale-James 3 Bale-James 2 Bale-James 2 Bale-James 7 South Nuron 6 Dundee 4 Dundee 8 Kuujuaq 2 Athabasca County 3 Athabasca County 2 Athabasca County	Quebec Alborta Alborta Alborta	Under Review		
Chapais Exeter	1 1 1 1 1 0 0	Generator Building  Operations Building  Residential # 1  Residential # 2  BUT Building  Excete Reside Building  Excete Reside Building  Interpretation Klosk  Tent  Observation Tower  UAS  Hydrogen Building  Islause (Meteor Residence)  House (Caretakers Residence)  House (Magnetic Residence)  Garage	1986 1998 1998 1997 1998 1997 1997 1999 1999	6 Bate-James 6 Bate-James 6 Bate-James 7 Bate-James 9 Bate-James 9 Bate-James 2 Bate-James 2 Bate-James 9 Bate-James 6 Bunder 6 Dunder 8 Dunder 8 Moosonie 8 Kunjusq 2 Alhabasca County 3 Alhabasca County 4 Alhabasca County	Cuebec Alberta Alberta Alberta Alberta	Under Keview		
Chapais Exeter	1 1 1 1 0 0	Generator Building Operations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Exeter Badar Building Exeter Badar Building Interpretation Klosk Tent Observation Tower UAS Hydrogen Building House (Meteor Residence) House (Graelacer Residence) House (Graelacer Residence) House (Graelacer Residence) House (Graelacer Residence) Garage	1986 1988 1998 1993 1996 1997 1996 1996 1996 1996 1996 1996	6 Bale-James 6 Baie-James 6 Baie-James 3 Baie-James 3 Baie-James 2 Baie-James 2 Baie-James 6 Baie-James 6 Dundee 6 Dundee 4 Dundee 8 Kuujiuaq 2 Athabsca County 3 Athabsca County 9 Athabsca County 9 Athabsca County	Quebec Alberta Alberta Alberta Alberta	Under Kevlew		
Chapais Exeter	1 1 1 1 1 0 0	Generator Building Operations Boilding Residential # 1 Residential # 1 Residential # 2 BUT Building Exister Bedar Building Interpretation Klosk Tent Observation Tower UAS Hydrogen Building House (Meteor Residence) House (Caretakers Residence) House (Caretakers Residence) Garage Garage Garage Garage Garage Garage	1986 1988 1988 1991 1992 1992 1993 1994 1995 1966 1955 1956 1955 1956	6 Bate-James 6 Bate-James 6 Bate-James 7 Bate-James 8 Bate-James 9 Bate-James 9 Bate-James 2 Bate-James 9 Bate-James 9 Bate-James 9 Bate-James 9 Dundee 9 Dundee 9 Dundee 9 Dundee 9 Monoonee 8 Kuujuaq 2 Athabasca County 3 Athabasca County 4 Athabasca County 9 Athabasca County 9 Athabasca County 9 Athabasca County 9 Athabasca County	Cuebec Alberta Alberta Alberta Alberta	Under Review		
Chapais Exeter	1 1 1 1 0 0 0	Generator Building Operations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Exeter Badar Building Exeter Badar Building Interpretation Klosk Tent Observation Tower UAS Hydrogen Building House (Meteor Residence) House (Graelacer Residence) House (Graelacer Residence) House (Graelacer Residence) House (Graelacer Residence) Garage	1986 1986 1988 1992 1992 1997 1996 1996 1996 1996 1996 1996 1995 1995	6 Bale-James 6 Baie-James 6 Baie-James 3 Baie-James 3 Baie-James 2 Baie-James 2 Baie-James 6 Baie-James 6 Dundee 6 Dundee 4 Dundee 8 Kuujiuaq 2 Athabsca County 3 Athabsca County 9 Athabsca County 9 Athabsca County	Quebec Alberta Alberta Alberta Alberta	Under Keview		
Chapais Exeter	1 1 1 1 0 0 0 0	Generator Building Operations Building Residential # 1 Residential # 2 BUT Building Exiter Radar Building  Exiter Radar Building Interpretation Kinsk Tent Observation Tower UAS Hydrogen Building House (Radar Residence) House (Radar Residence) House (Magnetic Residence) Garage Garage Garage Workshop Fire shed	1986 1986 1988 1991 1992 1992 1994 1993 1966 1955 1955 1955 1955	6 Bate-James 6 Bate-James 6 Bate-James 6 Bate-James 3 Bate-James 3 Bate-James 2 Bate-James 2 Bate-James 2 Bate-James 6 Bunder 5 Dunder 5 Dunder 4 Dunder 3 Moosonie 8 Kuujusq 2 Althabstac County 3 Althabstac County 9 Althabstac County 7 Althabstac County	Chebec Alberta Alberta Alberta Alberta Alberta Alberta	Under Kevlew		
Chapais Exeter	1 1 1 1 0 0 0 0	Generator Building Coperations Building Residential # 1 Residential # 2 But Building Exeter Redar Building Exeter Redar Building Interpretation Klosk Tent Observation Tower UAS Hydrogen Building Isouse (Meteor Residence) House (Guedacer Residence) House (Guedacer Residence) House (Guedacer Residence) Gurage Garage Garage Workshop Fire shed Admin Building	1986 1986 1987 1993 1993 1995 1995 1996 1996 1996 1996 1996 1995 1995	6 Bale-James 6 Baie-James 6 Baie-James 6 Baie-James 3 Baie-James 3 Baie-James 2 Baie-James 7 South Nuron 6 Dundee 6 Dundee 6 Dundee 8 Kuujjuaq 2 Athabasca County 3 Athabasca County 4 Athabasca County 7 Athabasca County 7 Athabasca County 7 Athabasca County 7 Athabasca County	Quebec Alberta	Under Review		
Chapais Exeter	1 1 1 0 0 0 0 0 0 0	Generator Building Operations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Exerter Backer Building Interpretation Klosk Tent Observation Tower  UAS Hydrogen Building House (Meteor Residence) House (Caretakers Residence) House (Caretakers Residence) Garage Garage Garage Garage Garage Garage Garage Opworkshop Fire shed Admin Building Power Shed	1986 1988 1988 1998 1999 1992 1992 1992 1998 1998	6 Bate-James 6 Bate-James 6 Bate-James 7 Bate-James 9 Bat	Quebec Alberta	Under Keview		
Chapais Exeter	1 1 1 1 0 0 0 0 0 0 0	Generator Building Operations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Exeter Radar Building Exeter Radar Building Interpretation Klosk Trent Observation Tower UAS Phydrogen Building Islause (Meteor Residence) House (Graelacter Residence) House (Graelacter Residence) House (Magnetic Residence) Garage Garage Garage Garage Garage Garage Admin Building Power Shed Admin Building	1986 1988 1988 1998 1999 1992 1992 1992 1998 1998	6 Bate-James 6 Bate-James 6 Bate-James 6 Bate-James 9 Bate-James 9 Bate-James 9 Bate-James 2 Bate-James 2 Bate-James 9 Bounder 6 Dunder 6 Dunder 8 Dunder 8 Dunder 8 Dunder 9 Dunder 9 Almabasca County 9 Athabasca County 9 Athabasca County 7 Athabasca County 8 Athabasca County 9 Athabasca County	Cuebec Alberta	Under Review		
Chapais Exeter	1 1 1 1 0 0 0 0 0 0 0 0	Generator Building Departations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Exeter Redar Building Exeter Redar Building Interpretation Klosk Tent Observation Tower UAS Hydrogen Building House (Meteor Residence) House (Guedacer Residence) House (Guedacer Residence) Gurage Gurage Gurage Gurage Gurage Workshop Fire shed Admin Building Power Shed AWOS Shelter AWOS Shelter AWOS Shelter ARdar Operations Building Radur Gregory	1986 1988 1988 1999 1999 1997 1997 1996 1999 1998 1999 1999 1999 1999 1999	6 Bate-James 6 Bate-James 6 Bate-James 7 Bate-James 9 Bat	Guebec Alberta	Under Kevlew		
Chapais Exeter	1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Generator Building Operations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Exeter Bedar Building Interpretation Klosk Tent Observation Tower  UAS Hydrogen Building Isouse (Meteor Residence) House (Meteor Residence) House (Garetakers Residence) Garage Garage Garage Garage Garage Garage Admin Building Power Shed Admin Building ANOS Shelter RANGS Shelter RANGS Shelter RANGS Shelter	1986 1988 1988 1999 1999 1999 1999 1999	6 Bate-James 6 Bate-James 6 Bate-James 7 Bate-James 9 Bute-James 9 Alhabasa County	Cluebec Alberta	Under Kevlew		
Chapais Exeter	1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Generator Building Departations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Exeter Redar Building Exeter Redar Building Interpretation Klosk Tent Observation Tower UAS Hydrogen Building House (Meteor Residence) House (Guedacer Residence) House (Guedacer Residence) Gurage Gurage Gurage Gurage Gurage Workshop Fire shed Admin Building Power Shed AWOS Shelter AWOS Shelter AWOS Shelter ARdar Operations Building Radur Gregory	1986 1986 1988 1999 1999 1997 1997 1996 1999 1998 1998 1998 1999 1999 1999	6 Bate-James 6 Bate-James 6 Bate-James 6 Bate-James 3 Bate-James 3 Bate-James 2 Bate-James 2 Bate-James 2 Bate-James 2 Bate-James 2 Bate-James 6 Dundee 4 Dundee 3 Moosonee 8 Kuujusq 2 Athabasca County 3 Athabasca County 4 Athabasca County 7 Athabasca County 7 Athabasca County 7 Athabasca County 8 Athabasca County 9 Athabasca County 1 Athabasca County 1 Athabasca County 9 Athabasca County 1 Athabasca County 2 Athabasca County 1 Athabasca County 2 Athabasca County 3 Athabasca County 1 Athabasca County 1 Athabasca County 2 Athabasca County 1 Athabasca County 2 Athabasca County 2 Athabasca County 2 Athabasca County 3 Athabasca County 4 Parkland County 4 Parkland County 6 Parkland County 6 Parkland County 7 Parkland County 7 Parkland County 7 Parkland County 8 Parkland County 9 Parkland County 9 Parkland County 9 Parkland County	Cuebec Alberta	Under Review		
Chapais Exeter	1 1 1 1 1 1 3 0 0 0 0 0 0 0 0 0 0 0 0 0	Generator Building Coperations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Exeter Redar Building Interpretation Klosk Tent Observation Tower UAS Hydrogen Building House (Meteor Residence) House (Meteor Residence) House (Magnetic Residence) Garage Garage Workshop Fire shed Admin Building Power Shed AWOS Shelter ARAGE Operations Building Rader Gregations Shelter Groupment Shelter Groupment Shelter	1986 1986 1988 1991 1988 1992 1997 1997 1997 1998 1998 1998 1998 1999 1999	6 Bale-James 6 Baie-James 6 Baie-James 6 Baie-James 3 Baie-James 3 Baie-James 2 Baie-James 2 Baie-James 6 Baie-James 6 Baie-James 7 South Nurone 6 Dundee 4 Dundee 8 Kuujuaq 2 Alhabasca County 3 Athabasca County 9 Athabasca County 7 Athabasca County 7 Athabasca County 7 Athabasca County 8 Athabasca County 9 Athabasca County 9 Athabasca County 1 Athabasca County 2 Athabasca County 1 Athabasca County 2 Athabasca County 3 Athabasca County 9 Athabasca County 1 Athabasca County 9 Athabasca County 1 Pathabasca County 9 Pathabasca County	Quebec Alberta	Under Kevlew		
Chapais Exeter	1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Generator Building Operations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Exister Redak Building Interpretation Klosk Tent Observation Tower UAS Hydrogen Building Isouse (Meteor Residence) House (Meteor Residence) House (Caretaker Residence) Garage Garage Grage Grage Grage Grage Awing Sulding Power Shed Awing Sulding Radar Operations Building	1986 1988 1988 1999 1999 1997 1996 1999 1998 1998 1999 1998 1999 1999	6 Bate-James 6 Bate-James 6 Bate-James 6 Bate-James 7 Bate-James 9 Bate-James 9 Bate-James 9 Bate-James 1 Bat	Cuebec Alberta	Under Review		
Chapais Exeter	1 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Generator Building Operations Building Residential # 1 Residential # 1 Residential # 2 BUT Building Exeter Badar Building Exeter Badar Building Interpretation Klosk Tent Observation Tower UAS Inydrogen Building Islasse (Meteor Residence) House (Graelacer Residence) House (Graelacer Residence) Garaga Garaga Garaga Garaga Garaga Garaga Awtos Shelter ANOS Shelter Radar Operations Building Radar Garaga Transmitter Site ANOS Shelter Gawtos Shelter	1986 1986 1988 1993 1993 1993 1997 1996 1997 1996 1998 1998 1998 1998 1998 1998 1998	6 Bate-James 6 Bate-James 6 Bate-James 6 Bate-James 3 Bate-James 3 Bate-James 9 Bate-James 2 Bate-James 2 Bate-James 2 Bate-James 2 Bate-James 6 Dundee 4 Dundee 4 Dundee 8 Kuujuaq 2 Athabasca County 3 Athabasca County 2 Athabasca County 9 Athabasca County 9 Athabasca County 17 Athabasca County 17 Athabasca County 17 Athabasca County 18 Athabasca County 19 Athabasca County 19 Athabasca County 19 Athabasca County 10 Parkland County 11 Parkland County 12 Parkland County 13 Parkland County 13 Parkland County 14 Parkland County 15 Parkland County 16 Parkland County 17 Parkland County 18 Parkland County 18 Parkland County 18 Parkland County 19 Parkland County	Cuebec Alberta	Under Review		
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### Annex 4

#### **UPDATE:** Asbestos in federal buildings

At Environment and Climate Change Canada (ECCC), we take the health and safety of our employees, building occupants and visitors very seriously. This includes monitoring whether our buildings contain asbestos, and ensuring we have asbestos management plans in place where asbestos is present.

All buildings containing asbestos are inspected, and asbestos management plans will be developed where asbestos is present. Copies of annual inspection reports, as well as asbestos management plans, will be available.

On September 23, 2016, Public Services and Procurement Canada (PSPC) published a <u>National Asbestos Inventory</u> that lists buildings it owns and leases, and identifies those that contain asbestos. There are some ECCC workplaces on the list. The following PSPC-owned or leased buildings, which ECCC occupies, have been identified as containing asbestos:

- Northern Forestry Centre (Edmonton, AB)
- Harry Hays Building (Calgary, AB)
- Government of Canada Building, 3690 Massey Drive (Prince George, BC)
- Via Rail Station (Winnipeg, MB)
- Airport Place (Winnipeg, MB)
- Gander International Airport (Gander, NL)
- Government of Canada Building, 1 Main Road (Burgeo, NL)
- Government of Canada Building, 6 Bruce Street (Mount Pearl, NL)
- Fortis Towers (Corner Brook, NL)
- Government of Canada Building (Warehouse 4), 72B Franklin Rd (Inuvik, NT)
- Queen Street Building (Sault Ste. Marie, ON)
- Government of Canada Building, 441 University Ave (Windsor, ON)
- La Salle Academy (Ottawa, ON)
- Downsview (Toronto, ON)
- Dominique Ducharme Building (Montréal, QC)
- Place Bonaventure (Montréal, QC)

Further to the PSPC inventory released on September 23, other federal departments that own or lease buildings – including ECCC – will publish their own inventories within the next 12 months. We are aware that the following ECCC-owned buildings have been identified as containing asbestos:

- National Hydrology Research Centre (Saskatoon, SK)
- Prairie and Northern Wildlife Research Centre (Saskatoon, SK)
- Canada Centre for Inland Waters (Burlington, ON)
- River Road Complex (Ottawa, ON)
- Pacific Wildlife Research Centre (Delta, BC)
- Whitehorse Complex (Whitehorse, YK)

We continue to work with PSPC, which diligently manages the risks associated with asbestos in its buildings, in strict accordance with legislative requirements for health and safety. More information about how asbestos is handled in government-owned buildings is available on the Public Services and Procurement Canada website.

Your health and safety is our priority, and we want to reassure you that our buildings are safe for occupancy. More information will be made available through your local Facilities Services.

More information about asbestos is available on Canada.ca, in the Healthy living section.

Michael Martin Deputy Minister

Stephen Lucas Senior Associate Deputy Minister (Climate Change)

Date Modified: 2016-10-11

http://intranet.ec.gc.ca/default.asp?lang=En&xml=7AD47F07-FE9B-45A1-8E4F-DD1F60254715

### Annex 5

Date: September 21, 2016

### **MEDIA LINES**

SUBJECT: Asbestos in Public Services and Procurement Canada-Owned and Leased Buildings

#### ISSUE:

Public Services and Procurement Canada (PSPC) will publicly post on its website a list of PSPC-owned and leased buildings that contain asbestos on September 23, 2016.

#### **KEY MESSAGES:**

- The Government takes the health and safety of its building occupants and visitors very seriously.
- In the interest of transparency and openness of government operations, the Department is delivering on its April 19, 2016, promise to publish an inventory of its owned and leased buildings that contain asbestos.
- PSPC manages and controls the risks associated with asbestos present in its owned and leased buildings. Rest assured that our leased and owned buildings are safe for occupancy.
- PSPC strictly meets all legislative requirements for health and safety, and robust asbestos management plans are in place in its buildings to ensure that occupants are not exposed to asbestos in their workplace.
- For leased properties, as part of the lease agreement, the landlord is required to meet the applicable regulations for asbestos.
- As of April 1, 2016, PSPC determined that it would use materials other than asbestos for new construction and major renovation projects for buildings in its portfolio.

#### For inquiries on the inventory's content:

- Only properties owned or leased by PSPC are listed in the inventory. PSPC is only one
  of many federal government departments responsible for the administration of real
  property. Inquiries about properties owned or managed by other government
  departments should be addressed to the respective departments.
- The National Asbestos Inventory lists all buildings owned or leased by PSPC, identifies
  the name and address of the buildings, and indicates whether or not they contain
  asbestos.

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All buildings owned or leased by PSPC that contain asbestos are required to have an asbestos management plan. If asbestos has recently been discovered, an asbestos management plan may not yet be in place. PSPC is working diligently with landlords to ensure that asbestos management plans are developed for the few leased buildings that do not yet have them. This work should be completed within the coming months.

PSPC's National Asbestos Inventory will be updated and released twice yearly.

For inquiries on health and safety:

Occupational health and safety is governed by Part II of the Canada Labour Code and the
Canada Occupational Health and Safety Regulations, which apply to employees who
work under federal jurisdiction. Employers are responsible for adhering to the Code and
the Regulations, as well as for developing their own health and safety program (e.g.
PSPC's Human Resources Branch is responsible for the Department's health and safety
program).

For inquiries on the publication of inventories by other custodial government departments:

- In the interest of transparency and openness, other government departments that own or lease buildings will publish their own inventories within the next 12 months.
- PSPC will leverage its experience to guide custodial departments and agencies in developing their own inventories.
- A task group with major custodians is being established and will be in place by mid-October 2016.

For inquiries on a potential government-wide ban:

The health and safety of Canadians is a priority for the Government of Canada, and we
are committed to moving forward with a ban on asbestos in Canada and will be coming
forward with an updated government strategy in the coming months. For more
information, please contact Innovation, Science, and Economic Development Canada.

Inquiries related to the "national asbestos strategy" should be redirected to Innovation, Science, and Economic Development Canada.

Inquiries related to health concerns should be redirected to Health Canada.

Inquiries related to occupational health safety concerns should be redirected to Treasury Board Secretariat (employer) and Employment and Social Development Canada (labour).

Media Lines	Page 3
	·

SPOKESPERSON: Media Relations Office - 819-420-5501

#### **PREPARATION**

Prepared by	Key Contact
Kim Giroux 819-420-0776	
Daphney Degand-Emmanuel 819-420-0831	

## Annex 6

#### **QUESTIONS AND ANSWERS**

Decement prepared by Public Services and Procurement Carrada

#### Q.1 What is asbestos?

Before the mid-1980s, asbestos was widely used because of its useful properties of strength, flexibility and resistance to both heat and chemical corrosion. Asbestoscontaining materials, or ACMs, were commonly used in the construction of houses, schools, hospitals, residential apartment complexes, libraries, office towers, etc.

For detailed information on asbestos, please visit the <u>Canadian Centre for Occupational</u> Health and Safety website.

Q.2 Are all Public Services and Procurement Canada-owned buildings containing asbestos-containing materials identified and monitored accordingly? Yes, all Public Services and Procurement Canada-owned buildings that have asbestos-containing materials (ACMs) are identified and monitored in accordance with federal regulations, as referenced below. Building owners must identify ACMs in their buildings, conduct annual reassessments of the condition of ACMs, and either repair, encapsulate or remove any ACMs that are not in good condition.

Corrective work is conducted by specialized technicians who put a number of safeguards in place to protect the continued health and safety of building occupants, as well as their own.

All PSPC-owned buildings have an asbestos management plan in place. This plan serves to provide details of the location and condition of the asbestos in the building. Managing asbestos is a requirement in the Canada Labour Code, Part II, in the Canada Occupational Health and Safety Regulations. Also, the National Joint Council's Occupational Health and Safety Directive, Part XI — Hazardous Substances, states that the employer must comply with applicable federal, provincial, territorial and municipal regulations.

#### Q.3 My building contains asbestos. Am I at risk?

Please rest assured that PSPC's leased and owned buildings are safe for occupancy. PSPC manages and controls the risks associated with asbestos present in its owned and leased buildings.

In accordance with federal and provincial regulations, building owners or employers must identify **known** ACMs in their building and have an asbestos management plan in place if asbestos is found or identified. This plan serves to provide details of the location and condition of the asbestos in the building. Building owners must conduct reassessments of the condition of ACMs, and either repair, encapsulate or remove any ACMs that are not in good condition.

This also applies to Public Services and Procurement Canada-leased spaces. Building owners have to comply with Canada Labour Code requirements related to asbestos management.

Employees should contact their employer or their departmental occupational health and safety committee regarding any health and safety concerns.

## Q.4 If my office building doesn't appear on the list published by Public Services and Procurement Canada, who do I contact to obtain information about asbestos in my building?

In the interest of transparency and openness of government operations, the Department is delivering on its promise to publish its inventory of owned and leased buildings which identifies those that contain asbestos.

Only properties owned or leased by Public Services and Procurement Canada (PSPC) are listed in the inventory. PSPC is only one of many federal government departments responsible for the administration of real property. PSPC is responsible for the administration of approximately 27% of the federal real property portfolio (in square metres).

Other government custodial departments will be developing and publishing their own lists within the next 12 months.

## Q.5 I noticed that some leased buildings are listed with missing information on asbestos. Why is that?

The note "Information Missing" is indicated if the landlord of that building did not provide the requested information before the time of publication. The National Asbestos Inventory will be updated twice yearly.

# Q.6 How is asbestos managed/monitored in leased buildings? Because the health and safety of employees is our priority, Public Services and Procurement Canada (PSPC) leases space from owners who meet the legislative requirements as set out by the applicable acts and regulations.

All buildings owned or leased by PSPC that contain asbestos are required to have an asbestos management plan. If asbestos has recently been discovered, an asbestos management plan may not yet be in place. PSPC is working diligently with landlords to ensure that asbestos management plans are developed for the few leased buildings that do not yet have them. This work should be completed within the coming months.

## Q.7 How often will Public Services and Procurement Canada update the published inventory?

In the interest of transparency and openness of government operations, PSPC's National Asbestos Inventory will be updated and released twice yearly.

# Q.8 Do we know where asbestos is located within the building(s)? Yes. The location of asbestos within the building(s) is detailed in the asbestos management plan, and is validated by the Annual Reassessment of Asbestos-Containing Materials report.

## Q.9 Are the Asbestos Inventory Assessment and the Annual Reassessment of Asbestos-Containing Materials reports available to employees?

Yes, they are shared with the employer of the space, who then shares it with all members of the health and safety committees, which includes both employer and

employee representatives. Employees interested in seeing the report can contact their departmental occupational health and safety committee.

## Q.10 Are buildings inspected before they are renovated to ensure the safety of employees?

Yes. In addition to the ongoing monitoring and management of asbestos-containing materials, or ACMs, more specific surveys of hazardous products are required and conducted before any construction or renovation project to identify all designated substances, including but not limited to ACMs, in the area proposed for renovation.

Workers follow specific protocols, and areas where this type of work is conducted are sealed off and contained. Any ACMs found are treated by qualified technicians in accordance with the applicable regulations throughout the project to ensure the continued safety of building occupants and technicians.

Any questions pertaining to health risks related to asbestos must be redirected to <u>Health</u> <u>Canada</u>.

More information on asbestos can also be found in the <u>Asbestos Information Sheet</u> on the National Occupational Health and Safety website.

#### er, Alexa (EC) Che

From:

Lacroix2, Josee (EC) Sent: August 3, 2017 4:17 PM

To: DGPE Unite de Breffage / EPB Briefing Unit (EC); Seguin, Brigitte (EC); Sorochan,

Christine (EC); DGSMF Unité de Breffage / CSFB Briefing Unit (EC)

Cc: Menard3, Isabelle (EC); Morton, Elizabeth (EC); Guillon, Laurie (EC); Shafea, Anisa (EC);

Régimbald, Karine (EC); Comeau, Paul (EC); Borden, Adam (EC); O'Brien, Michael (EC);

Lacroix2, Josee (EC); Felix, Ronald (EC)

DM 219175 - MTDM on Federal Custodial Asbestos Inventories. Subject:

The templates are available on ECollab at: Templates.

**DBU Officer responsible:** Josee Lacroix

Tel.: (819) 938-9062

Due in DBU: CSFB LEAD - AUGUST 14

EPB INPUT - AUGUST 9 COMMS - FYI/ACTION

CCM #: DM 219175

**REQUEST:** 

As per the below, please prepare an MTDM with an update on the Department's efforts to publish an inventory of owned and leased buildings containing asbestos, including ongoing efforts with PSPC. \*The memo should include an email response from the DM to Catrina Tapley confirming the Department's commitment to publish the national inventory in September. Please liaise with Communications as required to ensure that the communications strategy is in place in time for publication of the inventory.

As you may recall, on September 23, 2016, Custodian Deputy Ministers were directed to publish asbestos-related building inventories of their portfolios within a year. Over the course of the last year, Public Services and Procurement Canada (PSPC) has been working with custodial departments and agencies within the federal family on the national inventory of owned and leased buildings which identifies the name and address of the buildings and indicates whether or not they contain asbestos. I would like to thank you for your continued efforts on this front, and PSPC in particular for continuing to lead this work.

Today, I am writing to call your attention to the September 2017 deadline that is fast approaching and to seek reaffirmation of your commitment as custodial Departments and Agencies to publish your individual national inventory of owned and leased buildings that contain asbestos on your website, in a format that meets the standards of GoC web accessibility, by the end of September.

In the continued interest of transparency and openness on government operations and to ensure consistency between all Departments and Agencies, these national inventories should include the following information:

- Building name and address;
- Presence of asbestos (yes/no); and
- Existence of an asbestos management plan (yes/no).

To this end, PSPC's inventory provides a useful template from which to work, and I would encourage you to continue to support PSPC in ensuring that the government meets its commitment to publishing the national asbestos inventory. I expect that PSPC will continue to leverage its experience and technical expertise to guide custodial Departments and Agencies in developing their own inventories through the Task Group that has been convened. Please note that I will be asking PSPC for regular reporting on progress towards the end of September deadline.

Lastly given that the reported information is likely to draw interest from the public, media, and employees I would encourage you to ensure that you have both internal and external communications prepared for when your inventory is released. PSPC Communications can share their experience and lessons learned, should you wish. Catrina Tapley

#### Josee Lacroix

Briefing Officer/Officier de Breffage Environment Canada / Government of Canada 200, boul. Sacré-Coeur, Building Fontaine, Floor 2 Josee.Lacroix2@Canada.ca / Tel: 819-938-9062 From: stephen.lucas@canada.ca

**To:** Tapley, Catrina

Cc: Dubuc, Martine (EC); Beale, Mike (EC); Najm, Carol

Subject: Federal Custodial Asbestos Inventories / Répertoire des édifices fédéraux qui

contiennent de l'amiante

Ms. Tapley,

Thank you for reminding us of the commitment to have all federal custodian departments publish their inventory informing on the presence of asbestos in owned and leased buildings.

Environment and Climate Change Canada (ECCC) has been actively working with Public Services and Procurement Canada to survey the buildings under its custody. By the time ECCC publishes its first inventory, it is expected that 99% of people working for ECCC will be occupying surveyed buildings and that an Asbestos Management Plan will be in place for 100% of the buildings where asbestos has been identified. Surveying of small buildings and non-occupied buildings will continue and be completed in 2018-19.

ECCC will be in a position to publish the department's inventory on Canada.ca by the prescribed deadline. After the initial publication, the inventory will be updated regularly as additional buildings are surveyed and information becomes available.

Sincerely,

Stephen Lucas, Ph.D.
Deputy Minister
Environment and Climate Change Canada
200 Sacré-Coeur Blvd, 2nd Floor
Gatineau, Quebec K1A 0H3

Tel: 819-994-5020

E-mail: stephen.lucas@canada.ca



Environnement Canada

Deputy Minister

Sous-ministre

Ms. Catrina Tapley
Deputy Secretary to the Cabinet
Privy Council Office
catrina.tapley@pco-bcp.gc.ca

Dear Ms. Tapley:

Thank you for email message of August 2, 2017, providing Environment and Climate Change Canada with a reminder of its commitment as a federal custodian department to publish its individual inventory on the presence of asbestos in owned and leased buildings.

Environment and Climate Change Canada has been actively working with Public Services and Procurement Canada to survey the buildings under its custody. By the time the Department publishes its first inventory, it is expected that 99 percent of people working for Environment and Climate Change Canada will be occupying surveyed buildings and an asbestos management plan will be in place for all buildings where this substance has been identified. The surveying of small buildings and non-occupied buildings will continue and be completed in 2018–2019.

The Department will be in a position to publish its inventory on Canada.ca by the prescribed deadline. After the initial publication, the inventory will be updated regularly as additional buildings are surveyed and information becomes available.

Sincerely.

Stephen Lucas, Ph.D.

c.c.: Dr. Martine Dubuc, Associate Deputy Minister





i.c.c.: Mr. Mike Beale, Assistant Deputy Minister, Environmental Protection Branch
Ms. Carol Najm, Assistant Deputy Minister, Corporate Services and Finance Branch